Original/Duplicate/Triplicate

SBR No. 73/20-21
DATED 23-11-2020

CONTRACT CERTIFICATE

EE/ELE/Y/BR No. 73/20-21

(For Other Works) Date.....2020

Dt. 23-11-2020

No.1st & Final Bill

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :-005-21-000029**

Schedule Docket No. Head of Account : P – **P 3801** D.R.No.

Name of Work:- **-Providing Control switches,Wires,LED Street Lights & etc to Agrahara Badavane and Surrounding areas in Jakkur Ward No 05.**

.Name of Contractor and Full Address **M/s Chandana Electricals.**

Reference to Agreement No:- EE(Project)YZ/WO/109 / 2020-21 Date:- 12/11/2020

EE(Project)YZ/WO/0000147 / 2020-21 Date:- 12/11/2020

Certified that the measurements were taken by me on 23/11/2020 and recorded of Pages 257009 to 7011. measurement Book No. 2571/14-20 and that the work is satisfactorily executed.

For CHANDANA ELECTRICALS

K.L. Seresh.

Proprietor

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 23/11/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	Bill=	52,13,762=00
2) Deduct amount to be held in reserve being .....percent Rs.....	IT 1%	52138=00
3) " Balance	LWC 1%	52138=00
4) Deduct Payment:	CBF 0.1%	5214=00
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount	PSD 5%	260690=00
adjusted towards cash advance recovery of	Cost 1%	41,591=00
b) Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Cost 1%	41591=00
	deductions =	1,53,362=00
5) Balance being unpaid value of work done held in reserve.	Cheee =	47,60,400=00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted -		

Contractor's Signature

For CHANDANA ELECTRICALS

K.L. Seresh.

Proprietor

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands) (For use in the Office)

For CHANDANA ELECTRICALS

Witness

1. K.L. Seresh.

2. Proprietor

Dated Signature of Contractor

Stamp

P3801, Special Development Works

ರೂ: 52,13,762=00 ಮಾಡಿ ಖರ್ಚಿನಿಂದ

ರೂ: 47,60,400=00 ನಿರ್ವಹಣಾವೆಚ್ಚಗಳು

ರೂ: 4,53,362=00 ಕಡಿತಗಳಿಂದ ಮಾಡಿದೆ

Paid by me by Cheque No.....Dated.....Cash Rs.....

Dated.....Initials of Officer making payme

Sl. No	Description	Unit
	Name Of Work:-Providing Control switches,Wires,LED Street Lights & etc to Agrahara Badavane and Surrounding areas in Jakkur Ward No 05	
1	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Streetlight 120 Watts	Nos
2	Supplying and Fixing.....mm dia class A GI pipe bracket up to 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175mm length is fixed for fixing MV/SV/MH/FTL street light fitting of all capacities on rail/RCC/wall/tubular pole, using suitable clamps, bolts, nuts and wiring using suitable capacity wires.Using 40mm dia G.I.Pipe	Each
3	Wiring for lighting/power circuit using one of PVC insulated 1100V grade, stranded Aluminium wire single core in open or concealed system of wiring.4 sqmm	Mtrs
4	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel	Nos
5	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Nos
6	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.300mmx300mmx214mm	Nos
7	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics)100Amps 25kA.	Nos
8	Supplying heavy gauge PVC conduit pipe .....dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.25mm dia 2mm thick	Mtrs
9	ACSR conductor as per IS-398 (Part -2/1996) Supplaying of Weasel ACSR (6/2.59 mm Al + 1/2.59 mm St), Std Wt : 128 kgs/km	Mtrs
10	LT 2 Pin X Arms - MS (Dwg No. BESCOM/GM/QS&S/32 Dtd 24.11.2018	Nos
11	RCC Pole clamp - MS (Dwg No. BESCOM/GM/QS&S/30 Dtd 24.11.2018)	Nos
12	1.1kV Ceramic Pin Insulator (Shell only)	Nos
13	1.1kV GI Pin FOR 1.1kV Cermaic shell Insulator	Nos
14	No.8 Strain Insulator	Per Mtr

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		410	9670.00	3964700.00	410	3964700.00	
		410	1210.00	496100.00	410	496100.00	
		997	9.00	8973.00	997	8973.00	
		40	20.00	800.00	40	800.00	
		410	175.00	71750.00	410	71750.00	
		10	3754.00	37540.00	10	37540.00	
		10	4530.00	45300.00	10	45300.00	
		75	65.00	4875.00	75	4875.00	
		496	21.00	10416.00	496	10416.00	
		16	86.00	1376.00	16	1376.00	
		16	53.00	848.00	16	848.00	
		15	18.00	270.00	15	270.00	
		15	22.00	330.00	15	330.00	
		10	16.00	160.00	10	160.00	

15	Stringing of conductor (including pin binding, providing jumps, dead ending, etc.,)Weasel	Mtrs
16	Fixing of 2 Pin cross arm with insulator and Braces fixing	Nos
17	1.1KV Class HR (Heat Resistant) PVC Insulated & UnSheathed Aluminium Wires Multistrand Single core Lead wires as per IS-694: 2010PVC Wire - 25 Sqmm Al Wt: 6.7 Kgs, Total Wt: 11.5Kgs for 100Mtrs	Mtrs
	Total Rs	
	Add GST Item No 1 to 08 Rs 4630038.00 @ 12%	
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

		496	25.00	12400.00	496	12400.00	
		16	105.00	1680.00	16	1680.00	
		20	32.00	640.00	20	640.00	
				4658158.00		**4658158.00**	
				555604.56		555604.56	
				5213762.56		**5213762.56**	